

CLAIMS

1. A method of making a capacitor element used for a solid electrolyte capacitor, the method comprising the steps of
5 forming, on an anode chip of valve metal, a dielectric layer, a first solid electrolyte layer of manganese dioxide, a graphite layer and a metal layer in this order,

wherein the method further comprises the step of forming an intermediate solid electrolyte layer between the
10 step of forming the first solid electrolyte layer and the step of forming the graphite layer, the intermediate solid electrolyte layer being formed by applying and sintering of a manganese nitrate aqueous solution containing 0.5-2.0wt% of graphite powder.

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2. A method of making a capacitor element used for a solid electrolyte capacitor, the method comprising the steps of forming, on an anode chip of valve metal, a dielectric layer, a solid electrolyte layer of manganese dioxide, a first
20 graphite layer and a metal layer in this order,

wherein the method further comprises the step of forming an intermediate graphite layer between the step of forming the solid electrolyte layer and the step of forming the first graphite layer, the intermediate graphite layer
25 being formed of a graphite material containing manganese dioxide powder.

3. The method according to claim 2, wherein the step of forming the intermediate graphite layer includes applying of a graphite solution that contains 5-10wt% of manganese dioxide powder and drying of the applied solution.